

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
17 November 2005 (17.11.2005)

PCT

(10) International Publication Number
WO 2005/107819 A2

(51) International Patent Classification⁷: **A61K 51/00**

(21) International Application Number:
PCT/GB2005/001796

(22) International Filing Date: 11 May 2005 (11.05.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0410448.5 11 May 2004 (11.05.2004) GB

(71) Applicants (*for all designated States except US*): **HAMMERSMITH IMANET LIMITED** [GB/GB]; Cyclotron Building, Hammersmith Hospital, Du Cane Road, London W12 0NN (GB). **GE HEALTHCARE LIMITED** [GB/GB]; Amersham Place, Little Chalfont, Buckinghamshire HP7 9NA (GB). **AMERSHAM HEALTH AS** [NO/NO]; Nycoveien 1-2, Postboks 4220 Nydalen, N-0401 Oslo (NO).

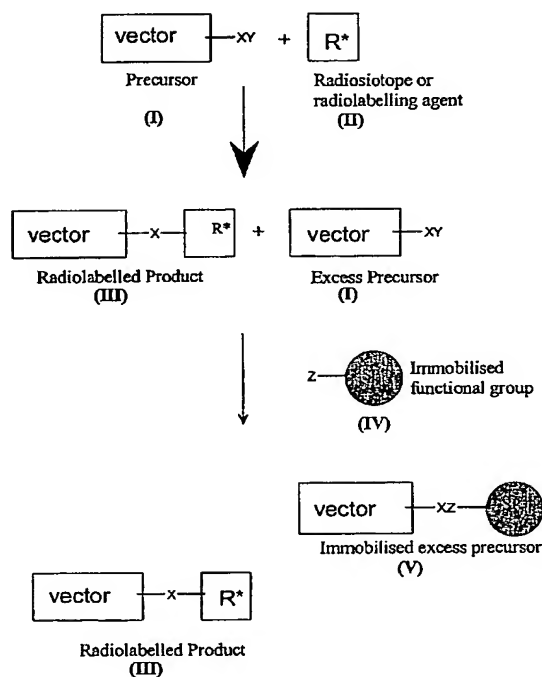
(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **LUTHRA, Sajinder, Kaur** [GB/GB]; Hammersmith Imanet Limited, Cyclotron Building, Hammersmith Hospital, Du Cane Road, London W12 0NN (GB). **BRADY, Frank** [GB/GB]; Hammersmith Imanet Limited, Cyclotron Building, Hammersmith Hospital, Du Cane Road, London W12 0NN (GB). **JEFFERY, Nicholas, Toby** [GB/GB]; 15 Cwn Dylan Close, Rhiwderin, Bassaleg, Newport, NP10 8JR (GB). **ARSTAD, Erik** [NO/GB]; Hammersmith Imanet Limited, Cyclotron Building, Hammersmith Hospital, Du Cane Road, London W12 0NN (GB). **GIBSON, Alexander, Mark** [GB/GB]; GE Healthcare Limited, The Grove Centre, White Lion Road, Amersham, Buckinghamshire HP7 9LL (GB). **WYNN, Duncan** [GB/GB]; GE Healthcare Limited, The Grove Centre, White Lion Road, Amersham, Buckinghamshire HP7 9LL (GB). **CUTHBERTSTON, Alan** [GB/NO]; Amersham Health AS, Nycoveien 1-2, Postboks 4220 Nydalen, N-0401 Oslo (NO). **SOLBAKKEN, Magne** [NO/NO]; AMERSHAM

[Continued on next page]

(54) Title: PURIFICATION METHODS

(57) Abstract: The invention relates to novel processes for the purification of radiolabelled tracers, using a solid-support bound scavenger group. The general concept being illustrated by the scheme :





HEALTH AS, Nycoveien 1-2, Postboks 4220 Nydalen,
N-0401 Oslo (NO).

(74) Agent: HAMMETT, Audrey, Grace, Campb; GE
Healthcare Limited, Amersham Place, Little Chalfont,
Buckinghamshire HP7 9NA (GB).

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ,
OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL,
SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.